IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

EXPRESS MAIL NO. EL791137305US

Applicant

Christopher Latham, et al,

Application No.:

N/A

Filed

June 27, 2001

Title

: DEVICE CONTROLLER AND CONTROL

ARRANGEMENT

Grp./Div.

N/A

Examiner

N/A

Docket No.

: 45542/DBP/T183

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents Washington, D.C. 20231 Post Office Box 7068 Pasadena, CA 91109-7068 June 27, 2001

Commissioner:

Please amend the above-identified application as follows:

IN THE SPECIFICATION

After the title please add the following:

-- CROSS-REFERENCE TO RELATED APPLICATION

This application claims priority of United Kingdom patent Application No. 00 15559.8, filed on June 27, 2000.--

IN THE CLAIMS

By this Amendment, Applicants are amending claim 7. Pending claims 1 to 13 follow.

- 1. A controller for controlling a device driven by an AC supply, the controller being adapted to intermittently interrupt the AC supply such to encode a control signal therein.
- 2. A controller as claimed in claim 1 connectable to an AC mains to thereby receive the AC supply.

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- 3. A controller as claimed in claim 1 which is adapted to begin and end interruptions of the AC supply when the supply potential is substantially zero.
- 4. A controller as claimed in claim 3, wherein the controller is such as to cause interruptions of one AC cycle in duration.
- 5. A controller as claimed in claim 1, wherein the controller is such as to interrupt the AC every X cycles, where X is adjustable and different values of X represent different control signals.
- 6. A controller as claimed in claim 5 wherein the controller is adapted to receive control input and to adjust X to correspondingly control the device.
- (Amended) 7. A control arrangement for controlling a device, comprising an AC supply, a controller as claimed in claim 1, an AC supply line for conducting the encoded AC supply from the controller to the device and a detector for receiving the AC supply, decoding the control signal and controlling the device in dependence thereupon.
- 8. A control arrangement as claimed in claim 7 wherein the device is an external aircraft light.
- 9. A control arrangement as claimed in claim 8, wherein the aircraft light has a visible light emitter and an infra red emitter both controllable by the controller.
- 10. A control arrangement as claimed in claim 8, which is adapted to begin and end interruptions of the AC supply when the supply potential is substantially zero.
- 11. A control arrangement as claimed in claim 8, wherein the controller is such as to cause interruptions of one AC cycle in duration.
- 12. A control arrangement as claimed in claim 8, wherein the controller is such as to interrupt the AC every X cycles, where X is adjustable and different values of X represent different control signals.
- 13. A control arrangement as claimed in claim 8, wherein the controller is adapted to receive control input and to adjust X to correspondingly control the device.

REMARKS

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

> Respectfully submitted, CHRISTIE, PARKER & HALE, LLP

Bru Prout D. Bruce Prout Reg. No. 20,958 626/795-9900

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

(Amended) 7. A control arrangement for controlling a device, comprising an AC supply, a controller as claimed in any preceding claim claim 1, an AC supply line for conducting the encoded AC supply from the controller to the device and a detector for receiving the AC supply, decoding the control signal and controlling the device in dependence thereupon.

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